

TENTATIVE COURSE SYLLABUS
Addiction, the Brain, History, & Culture
NBB 470s, IDS 485S, BSHE 580R
Spring, 2007
Revised 06 April 07

Please check the course website frequently for any updates to the syllabus.

Time: Monday 2-5 PM

Place: Dental School (1462 Clifton Road) room 231

Instructor: Dr. Howard I. Kushner
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COURSE OVERVIEW

Course Goal:

This seminar will explore the construction, meaning, and impact of addiction in historical, cultural, psychological, and neurobiological perspective. Particular attention will be given to the putative neurobiological mechanisms associated with addiction and consciousness altering substances and behaviors. Biological and psychological explanations that have been and continue to be used to explain the etiology and meaning of addiction will be examined. This exploration will include considerations of the role of social, cultural, and population differences as they may relate to addictive behaviors.

The seminar is designed enable student collaboration across disciplines and stages of education. Students are drawn from undergraduate programs in Neuroscience and Behavioral Biology (NBB), Interdisciplinary Studies (IDS), and others along with masters and doctoral graduate students from the Graduate School of Public Health.

Student Involvement:

In order to facilitate a high level of discussion, students are required to:

- I. Come to all class meetings on time. If you are unable to attend class, or will be late, please inform the instructor or teaching assistant in advance. Unexcused absences and lateness will influence your final grade.
- II. Read the assignments prior to the seminar meeting.
- III. Participate in classroom discussions

Assignments:

Weekly Postings:

Each week (except when noted) you will be required to post a 1-3 paragraph exposition of the week's readings. Initially you will be asked to identify the thesis or main claim of *each* reading; later you will be asked to respond to a specific question about the week's assignment. Your postings should reflect underlying themes or issues arising from the specific readings for the week in the context of issues that emerge across the semester as they are reflected in a given week's readings. Your postings must be placed on the Blackboard Discussion Board by 5:00 p.m. on the Sunday prior to the class meeting.

Group Projects:

Students will work in collaborative teams of 3 (2 undergraduates and one graduate student when possible) on a research problem on an aspect of addiction that has been developed through consultation with the instructor. Projects and papers may examine a variety of topics related to addiction. For example, teams may decide to examine a form of addictive behavior not specifically covered in class (such as sexual addiction, computer addiction, addiction to prescription drugs or food addictions), or teams may choose to conduct an interdisciplinary exploration of a specific addiction and how it has been represented over time in the media, film and/or literature. All projects, however, must be placed in the context of the wider issues and topics covered in the readings, discussions, and lectures. Thus, a final project that could have

been written by students who did not enroll in this course, read its assignments, or participate in its discussions is unacceptable.

Project Research Questions:

Student teams must post a research question (in the form of a hypothesis to be tested) and an annotated bibliography of (at least) ten sources. The abstract and annotated bibliographies must be posted on the Blackboard discussion board **no later than 5 pm Sunday 18 February**. After review and approval by the instructor, teams will revise their abstracts, develop outlines, and expand their annotated bibliographies for posting on Blackboard **no later than 5 pm on Sunday 4 March**.

Presentations and Final Written Papers:

Based on these revisions and further suggestions by the instructors, teams will prepare and present a Powerpoint of their project to the class during the last two class sessions. Final written papers will be **due no later than Saturday 5 pm May 3rd**.

Grading:

1. Seminar participation, 15%
2. Weekly postings, 25%
3. Research Question and Annotated Bibliography, 10%
4. Powerpoint 25%
5. Final paper 25%

REQUIRED BOOKS

David D. Courtwright, *Forces of Habit, Drugs and the Making of the Modern World*, Cambridge: Harvard University Press, 2002.

Griffith Edwards, *Matters of Substance: Drugs is Legalization the Right Answer or the Wrong Question?* New York: Penguin, 2004.

Keane, Helen. *What's Wrong With Addiction?* New York: NYU Press, 2002.

Solomon H. Snyder, *Drugs and the Brain*, NY: Scientific American Library, 1996,

Sarah W. Tracy and Caroline Jean Acker, *Altering American Consciousness: The History of Alcohol and Drug Use in the United States, 1800-2000*. Amherst and Boston, University of Massachusetts Press, 2004.

Recommended Books;

Erich Goode, *Drugs in American Society*, current edition

Griffith Edwards, *Alcohol: The Ambiguous Molecule*. New York: St Martins Press, 2002.

Additional Readings

Available on the course Blackboard Site

Reading Assignments:

January 22: Introduction:

What is addiction? What is the Brain? What is history? And culture?

January 29: Drugs and the Making of the Modern World:

David D. Courtwright, "The Big Three: Alcohol, Tobacco, & Caffeine," Chapter 1 in Courtwright, *Forces of Habit, Drugs and the Making of the Modern World*, Cambridge: Harvard University Press, 2002, pp. 9-30

David D. Courtwright, "The Little Three: Opium Cannabis and Coca" Chapter 2 in Courtwright, *Forces of Habit, Drugs and the Making of the Modern World*, Cambridge: Harvard University Press, 2002, pp. 31-52.

David D. Courtwright, "The Puzzle of Distribution" Chapter 3 in Courtwright, *Forces of Habit, Drugs and the Making of the Modern World*, Cambridge: Harvard University Press, 2002, pp.53-66.

February 5: Framing Addiction:

William L. White, "The Lesson of Language: Historical Perspectives on the Language of Addiction" in Sarah W. Tracy and Caroline Jean Acker, *Altering American Consciousness: The History of Alcohol and Drug Use in the United States, 1800-2000*. 2004, pp. 33-60.

Helen Keane, "Reading the Signs of Disorder: Diagnosing Dependence," in *What's Wrong With Addiction?* New York: NYU Press, 2002, pp. 36-63.

Griffith Edwards, "Introduction: Understanding Drugs," *Matters of Substance: Drugs is Legalization the Right Answer or the Wrong Question?* New York: Penguin, 2004, pp. xv-xxxviii.

Ron Roizen, "How Does the Nation's 'Alcohol Problem' Change from Era to Era?" in Sarah W. Tracy and Caroline Jean Acker, *Altering American Consciousness: The History of Alcohol and Drug Use in the United States, 1800-2000*. 2004, pp. 61-87.

Howard F. Schaffer. "The Most Important Unresolved Problem in the Addictions: Conceptual Chaos" *Substance Use and Abuse*, 32 (11) 1997, 1573-80.

February 12: The Brain and Addiction:

Eric J. Nestler & Robert C. Malenka, "The Addicted Brain," *Scientific American*; Mar 2004, Vol. 290 Issue 3, 78-83.

Wilkie A. Wilson and Cynthia M. Kuhn, "How Addiction Hijacks Our Reward System," *Cerebrum*, 7 (2005): 53-66.

Solomon H. Snyder, "The Brain and Its Messages," Chapter 1 in *Drugs and the Brain*, NY: Scientific American Library, 1996, pp. 1-27

Braun, Stephen, "Your Brain on Alcohol," Chapter 3 in *Buzz: The Science and Lore of Alcohol and Caffeine*. New York: Oxford University Press, 1996, 38-60.

February 21: Research Questions and annotated bibliography must be posted on the Blackboard discussion board no later than 5 pm

February 19: What's Wrong with addiction?

Keane, *What's Wrong With Addiction?* Intro, and Chapters 1-3, pp. 1-88. (note: just skim chapter 2 again)

Sarah W. Tracy and Caroline Jean Acker, "Introduction: Psychoactive Drugs—An American Way of Life in *Altering American Consciousness: The History of Alcohol and Drug Use in the United States, 1800-2000*. pp. 1-30

Vincent J. Felitti, "The origins of Addiction: Evidence from the Adverse Childhood Experiences Study," translated from "Urseprünge des Suchtverhaltens—Evidenzen aus einer Studie zu belastenden Kindheitserfahrungen," *Praxis der Kinderpsychologie und Kinderpsychiatrie*," 2003, 52: 547-559.

February 26: Opiates

David D. Courtwright, "A Trap Bated with Pleasure" in *Forces of Habit, Drugs and the Making of the Modern World*, Cambridge: Harvard University Press, 2002, pp. 91-111.

Caroline Jean Acker, "Portrait of an Addicted Family," in Sarah W. Tracy and Caroline Jean Acker, *Altering American Consciousness: The History of Alcohol and Drug Use in the United States, 1800-2000*. pp. 165-181

Griffith Edwards, "Part 2: Opiates" *Matters of Substance: Drugs is Legalization the Right Answer or the Wrong Question?* New York: Penguin, 2004. pp. 77-139.

Supplementary Reading:

Solomon H. Snyder, "Opiates" chapter 2 in *Drugs and the Brain*, NY: Scientific American Library, 1996, pp. 28-58

March 4: Revised their research questions and annotated bibliographies posted on Blackboard no later than 5 pm.

March 5: Alcohol: Culture, Gender, and "Disease":

Peter Mancall, "I was addicted to drinking Rum," Four Centuries of Alcohol Consumption in Indian Country, in Sarah W. Tracy and Caroline Jean Acker, *Altering American Consciousness: The History of Alcohol and Drug Use in the United States, 1800-2000*. 91-107

Michelle McClellan, "Lady Tippers: Gendering the Modern Alcoholism Paradigm," in Sarah W. Tracy and Caroline Jean Acker, *Altering American Consciousness: The History of Alcohol and Drug Use in the United States, 1800-2000*. 267-297.

Griffith Edwards, "Calling Alcoholism a Disease," Chapter 7 in *Alcohol: The Ambiguous Molecule*. pp. 93-102.

Stanton Peele, "Who Says What the Truths about Alcoholism Are?" from Peele, *Diseasing of America*, San Francisco, Josey Bass Publishers, 1995, pp. 55-83.

Griffith Edwards, "On the Drink," *Matters of Substance: Drugs is Legalization the Right Answer or the Wrong Question?* New York: Penguin, 2004, pp. 3-15.

Supplemental, but not required, reading:

Sander Gilman, "The Problem with Purim: Jews and Alcohol in the Modern Period," in press ,Leo Baeck Yearbook (2005) on BB

Lori E. Rotskoff, Sober Husbands and Supportive Wives: Marital Dramas of Alcoholism in Post-World War II America, in Sarah W. Tracy and Caroline Jean Acker, *Altering American Consciousness: The History of Alcohol and Drug Use in the United States, 1800-2000*. 298-326

March 12: NO CLASS Spring break

March 19: Smoking, Nicotine, & Addiction:

Alan Brandt, "From Nicotine to Nicotrol: Addiction, Cigarettes, and American Culture," in Sarah W. Tracy and Caroline Jean Acker, *Altering American Consciousness: The History of Alcohol and Drug Use in the United States, 1800-2000*.,383-402

Keane, "Smoking, Addiction, and Time," chapter 4 in Keane, *What's Wrong With Addiction?* pp. 89-109.

David Krogh, "Staying on Even Keel," Chapter 4 of *Smoking the Artificial Passion* (New York: Freeman, 1991), pp 37-45.

David Krogh, "Doing Something With it; Doing Without it," Chapter 5 of *Smoking the Artificial Passion* (New York: Freeman, 1991), pp 46-56.

Mark Parascandola, "Glimpsing Promise in the Drug We Love to Hate," *Cerebrum*, 2003, 5: 51-64.

Griffith Edwards, "Tobacco," *Matters of Substance: Drugs is Legalization the Right Answer or the Wrong Question?* New York: Penguin, 2004, pp. 16-31.

Naqvi, Nasir, "Damage to the Insula Disrupts Addiction to Cigarette Smoking", *Science*, Vol 315, pp 531-534.

Supplement **not required but for background:**

David Krogh, "Inside the Black Box," Chapter 8 of *Smoking the Artificial Passion* (New York: Freeman, 1991), pp 81-88.

Alan Leshner, "The Science of Nicotine Addiction and Why We Should Care," 11th World Conference on Tobacco or Health, slide show on Blackboard, for voice overview see http://www.conference-cast.com/wctoh/aug8_nicotine.htm

Solomon Snyder, "Stimulants," chapter 5 in *Drugs and the Brain*, NY: Scientific American Library, 1996, pp.120-149

Colin Talley, Howard I. Kushner, & Claire E. Sterk, "Lung Cancer, Chronic Disease Epidemiology, and Medicine, 1948-1964," *Journal of the History of Medicine*. 2004, 59:329-373.

March 26: Non-Substance Addictions:

Aviel Goodman, *Sexual Addiction: An Integrated Approach* (International Universities Press, 1998). See blackboard or learnlink

Keane, "Disorders of Eating and the Healthy Diet," Chapter 5 of Keane, *What's Wrong With Addiction?*, pp, 110-136.

Keane, "Sex and Love Addictions, The Ethics and Erotics of Intimacy", Chapter 6 of Keane, *What's Wrong With Addiction?*, pp, 137-156

Alex Blaszczynski & Lia Nower "A pathways model of problem and pathological gambling, *Addiction* (2002), 97: 487-499. on BB

Supplemental Reading (not required):

Keane, "The Recovery Habit" Chap 7 in Keane, *What's Wrong With Addiction?*, pp. 157-187

April 2: Licit Drugs and Addiction

David Courtwright, "Licit and Illicit Drugs," chapter 10 in *Forces of Habit, Drugs and the Making of the Modern World*, Cambridge: Harvard University Press, 2002, pp.187-207

Nicholas Weiss, "No One Listened to Imipramine," in Sarah W. Tracy and Caroline Jean Acker, *Altering American Consciousness: The History of Alcohol and Drug Use in the United States, 1800-2000.*, 329-352.

Griffith Edwards, "Licit Drugs: Chapter 3-6," *Matters of Substance: Drugs is Legalization the Right Answer or the Wrong Question?* New York: Penguin, 2004, pp. 32-73.

Supplemental Reading:

Solomon Snyder, "Mood Disorders," in *Drugs and the Brain*, NY: Scientific American Library, 1996, Chapter 4, 91-119

April 9: Psychedelics and Mind Altering Behavior

David D. Courtwright, "The Sorcerer's Apprentice" Chapter 4 in *Forces of Habit, Drugs and the Making of the Modern World*, Cambridge: Harvard University Press, 2002, pp. 69-90.

Steven Novak, "LSD Before Leary, Sidney Cohen's Critic of 1950s Psychedelic Drug Research," in Sarah W. Tracy and Caroline Jean Acker, *Altering American Consciousness: The History of Alcohol and Drug Use in the United States, 1800-2000*, 352-383.

Griffith Edwards, "Part 3: Other Drugs Outside the Law," *Matters of Substance: Drugs is Legalization the Right Answer or the Wrong Question?* New York: Penguin, 2004, pp. 143-225.

Sally Satel, A Whiff of 'Reefer Madness' in U.S. Drug Policy, *New York Times*, Science Section, 16 August 2005

Supplemental:

Solomon Snyder, "Enlightenment in a Pill," in *Drugs and the Brain*, NY: Scientific American Library, 1996, Chapter 7, 178-205.

April 16: What to Do?:

David Krogh, "In and Out of Dracula's Lair" Chapter 13 of *Smoking the Artificial Passion* (New York: Freeman, 1991), pp 123-141.

Edwards, "The Drinker's Dilemma," Chapter 13 in *Alcohol: The Ambiguous Molecule*. pp. 181-190.

Keane, "Conclusion" chapter 8 in Keane, *What's Wrong With Addiction?*, 188-192

Griffith Edwards, Part 4: "What to do about Drugs?" *Matters of Substance: Drugs is Legalization the Right Answer or the Wrong Question?* New York: Penguin, 2004, pp.229-279.

Howard I. Kushner, Taking Biology Seriously: The Next Task for Historians of Addiction?" *Bulletin of the History of Medicine*, 80 (Spring, 2006): 115-143.

April 23 Team presentations:

Post Powerpoints on BB by 5 pm Sunday 22 April

April 30 Team presentations: LAST DAY OF CLASSEES

Post Powerpoints on BB by 5 pm Sunday 29 April

May 5: Final Papers Due:

Post final papers on BB by 6 pm Saturday May 3